WHAT IS CLAIMED IS:

1. A stabilized white-light-emitting OLED device, comprising:

a) an anode;

b) a cathode;

c) a light-emitting layer disposed between the anode and the cathode; and

d) a stabilizing substituted perylene material, so that the lifetime of the white-light-emitting OLED device is increased.

2. The stabilized white-light-emitting OLED device of claim 1 wherein the perylene material is a substituted or unsubstituted benzoperylene.

3. The stabilized white-light-emitting OLED device of claim 1 wherein the perylene material is a substituted or unsubstituted dibenzoperylene.

4. The stabilized white-light-emitting OLED device of claim 1 wherein the perylene material is a substituted or unsubstituted tribenzoperylene.

5. A stabilized white-light-emitting OLED device, comprising:

a) an anode and a cathode spaced apart from the anode;

b) a hole-transporting layer disposed over the anode;

c) a yellow-light-emitting layer and a blue-light-emitting layer disposed between the hole transporting layer and the cathode; and

d) a stabilizing substituted perylene material disposed at least in one of the following layers: the hole-transporting layer; the blue-light-emitting layer; or the yellow-light-emitting layer, so that the lifetime of the white-light-emitting OLED device is increased.

6. The stabilized white-light-emitting OLED device of claim 5 wherein the substituted perylene material is a substituted or unsubstituted benzoperylene.

7. The stabilized white-light-emitting OLED device of claim 5 wherein the substituted perylene material is a substituted or unsubstituted dibenzoperylene.

8. The stabilized white-light-emitting OLED device of claim 5 wherein the substituted perylene material is a substituted or unsubstituted tribenzoperylene.

9. The stabilized white-light-emitting OLED device of claim 5 wherein the substituted perylene material is disposed at least in two of the following layers: the hole-transporting layer; the blue-light-emitting layer; or the yellow-light-emitting layer.

10. The stabilized white-light-emitting OLED device of claim 6 wherein the substituted perylene material is disposed at least in two of the following layers: the hole-transporting layer, the blue-light-emitting layer, or the yellow-light-emitting layer.

11. The stabilized white-light-emitting OLED device of claim 7 wherein the substituted perylene material is disposed at least in two of the following layers: the hole-transporting layer; the blue-light-emitting layer; or the yellow-light-emitting layer.

12. The stabilized white-light-emitting OLED device of claim 8 wherein the substituted perylene material is disposed at least in two of the following layers: the hole-transporting layer; the blue-light-emitting layer; or the yellow-light-emitting layer.

13. A stabilized white-light-emitting OLED device, comprising:

a) an anode and a cathode spaced apart from the anode;

b) a hole-transporting layer disposed over the anode;

c) a yellow-light-emitting layer and a blue-light-emitting layer disposed between the hole transporting layer and the cathode;

d) an electron-transporting layer in operative association with the cathode and either the yellow-light-emitting layer or the blue-light-emitting layer; and

e) a stabilizing substituted perylene material disposed at least in one of the following layers: the hole-transporting layer, the blue-light-emitting layer, the yellow-light-emitting layer, or the electron-transporting layer, so that the lifetime of the white-light-emitting OLED device is increased.

14. The stabilized white-light-emitting OLED device of claim 13 wherein the substituted perylene material is disposed at least in two of the following layers: the hole-transporting layer; the blue-light-emitting layer; the yellow-light-emitting layer; or the electron-transporting layer.

15. The stabilized white-light-emitting OLED device of claim 13 wherein the substituted perylene material is disposed at least in three of the following layers: the hole-transporting layer; the blue-light-emitting layer; the yellow-light-emitting layer; or the electron-transporting layer.

16. The stabilized white-light-emitting OLED device of claim 13 wherein substituted perylene material is disposed in the hole-transporting layer and the blue-light-emitting layer.

17. The stabilized white-light-emitting OLED device of claim 13 wherein the yellow-light-emitting layer is in contact with the hole-transporting layer.

18. The stabilized white-light-emitting OLED device of claim 13 wherein the blue-light-emitting layer is in contact with the hole-transporting layer.

19. The stabilized white-light-emitting OLED device of claim 13 wherein the level of substituted perylene material concentration in one or more layers is selected so that the substituted perylene material is a non-luminescent dopant.

20. The stabilized white-light-emitting OLED device of claim 13 wherein the substituted perylene material is dibenzo[*b*,*k*]perylene.